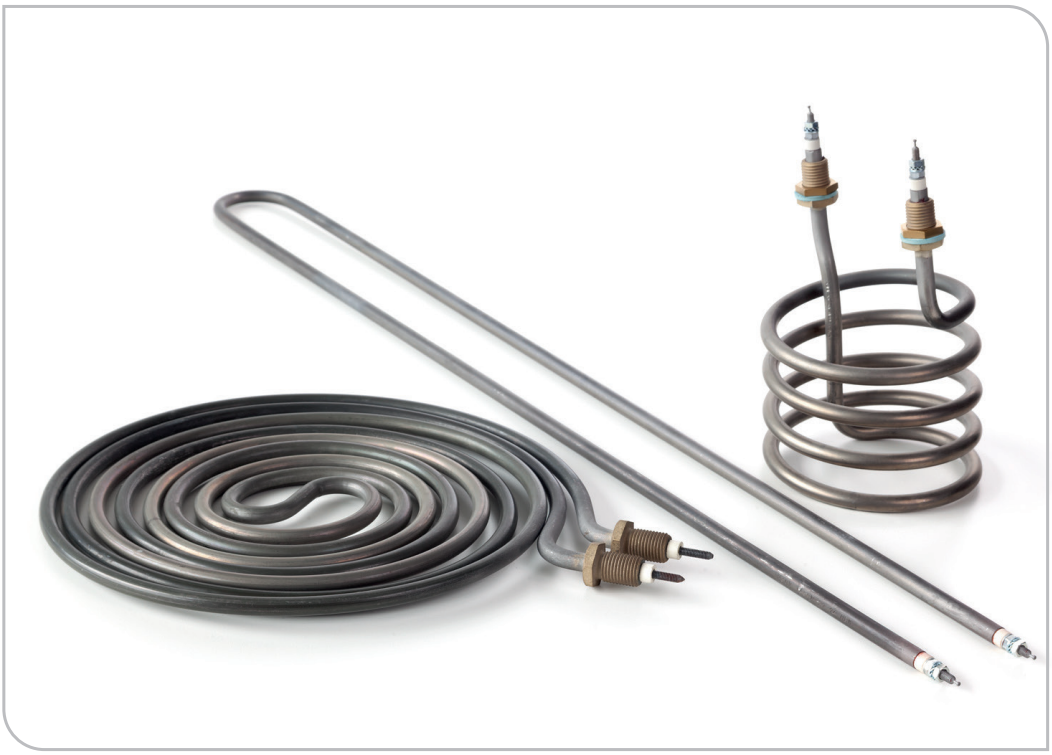
Tubular Heaters



Application examples

- Instantaneous flow heaters, boilers, water heaters
- Heating of tools and molds
- Space heaters, air heaters, radiant heaters
- Steam generators, evaporators, dryers
- Heated casting systems

DBK's knowledge of thermal management gives us the experience to guide and support you with your technical challenges - we can manage the complete project from concept to full production release.

Tubular heating elements consist of a metal tube and a resistance heating wire embedded in magnesium oxide (MgO). The electrical heating elements offer flexible design and can be used for many different applications in plant and mechanical engineering applications, HVAC, or electric vehicle heating. High power density and installation advantages make this heater suitable for many heating requirements. Tubular heaters can be customized in terms of power, nominal voltage, bending, and fastening. Depending on the application, various tube sheath materials are available. In order to tailor the heater to your application requirement, please provide as much information as possible.

Features

- Defined heat output due to resistance wire technology
- Power according to customer specification
- Operating voltage up to 500 V
- Operating temperature up to 950 °C
- Surface load up to 25 W/cm²
- Tube sheath diameter: 8.5 mm
- Tube length: 400 to 4300 mm
- Tube sheath materials: 1.4541, 1.4571, 1.4435 and 1.4876
- Various bending radii: Rmin = 20 mm
- Electrical connection: threaded bolts, flat plugs, lead wires